Syed Mahbub Ahmed

Full-stack developer

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Eligible to work in the UK.

Profile

Full-stack developer. At An Nur Ltd I built the whole retail platform from scratch: online store, backend, point of sale and staff apps. Before that I was Chief Technology Officer at Newgrade AI and an engineer at Flojoy and NestGo. I also built Daftar, a local-first iPhone app, and submitted it for App Store review. My MA in International Marketing keeps me focused on what a product says to the people using it.

Experience

UI/UX Manager, An Nur Ltd United Kingdom — Sep 2026 – Present

- Shipped camera-first product listing and mobile order fulfilment flows for staff in the Expo admin app.
- Added Product JSON-LD, storefront caching and redirects for a 108-category taxonomy migration to support organic search.

Website Manager, An Nur Ltd Part-time, United Kingdom — Jun 2025 – Sep 2026

- Built 5 apps and 6 shared pnpm packages: storefront, admin, desktop POS and two mobile apps for a production retail platform.
- Architected an Express API over a 126-model PostgreSQL/Prisma schema and an order engine for payments, fulfilment, partial cancellations, returns, refunds and credit notes.
- Integrated Stripe, audited email, S3 and Redis; built eBay, Amazon and Temu feeds, shipping selection and customs invoices.
- Set up 267 Vitest test files, TDD, type/lint gates, GitHub Actions CI and Docker; deployed to Vercel and Render.

TypeScript, Next.js 16, React 19, React Native (Expo), Node.js/Express, PostgreSQL/Prisma, Redis, Stripe, AWS S3, Docker

Chief Technology Officer, Newgrade AI Remote — Dec 2024 – Sep 2025

- Built React Native/Expo features for an AI collaboration and task management platform: AI chat, task cards, scheduling, media sharing and group management.
- Developed Node.js/Express APIs with MySQL and Prisma; migrated existing JavaScript code to TypeScript.
- Implemented Socket.IO direct and group messaging with threaded replies, typing indicators and unread counts.
- Integrated Anthropic AI agents, tool calling, prompt caching and retrieval-augmented generation (RAG) for AI-assisted task creation and contextual information retrieval.
- Delivered Firebase/Notifee push notifications with notification-driven navigation and persistent conversation state.
- Optimised rendering, fixed authentication issues, added k6 load testing and built Docker/GitHub Actions workflows to improve performance and reliability.

React Native, Expo, TypeScript, Node.js/Express, MySQL/Prisma, Socket.IO, Anthropic, Firebase/Notifee, k6, Docker

Full Stack Web Developer, Flojoy Montreal, Canada (remote) — Apr 2023 – Mar 2024

- Implemented the CI/CD pipeline for the Electron app in the Flojoy Studio repo.
- Developed end-to-end tests for the Studio Electron app using Playwright.
- Built a custom AWS AMI for Flojoy Cloud using Terraform.

React, Next.js, TypeScript, Tailwind, AWS, Electron, Cypress, FastAPI, WebSocket, Node.js

Full Stack Web Developer, NestGo United States (remote) — Jun 2022 – Mar 2023

- Developed REST APIs in NestJS for a matrimony app: user connections and preference-based profile matching.
- Contributed to e-commerce projects using Next.js.

React, TypeScript, AWS, DynamoDB, MongoDB, Django, WebSocket, Node.js, NestJS, Next.js

Projects

Daftar iPhone app daftar.smahmed.pro

Submitted for App Store review; not yet publicly available on the App Store.

- A local-first iOS app in Expo and React Native, with all data in on-device SQLite through Drizzle ORM and versioned migrations.
- A finance ledger with wallets, budgets with a safe-to-spend figure, debts, investments, a zakat calculator and PDF reports.
- A focus system for parking ideas and pausing tasks, with widgets, Live Activities and Siri.

Expo, React Native, TypeScript, Expo Router, SQLite, Drizzle ORM, Zustand, Reanimated, Vite

Skills

Languages	JavaScript, TypeScript, Python
Front end	React, Next.js, HTML5, CSS3, Bootstrap, Tailwind CSS, Material UI, Electron
Mobile	React Native, Expo, Expo Router
Back end	Node.js, Express, NestJS, WebSocket, Socket.io, WebRTC, Django REST Framework, GraphQL, FastAPI
Data	MongoDB, PostgreSQL, DynamoDB, Redis, SQLite, Prisma, Drizzle ORM
Cloud and DevOps	AWS EC2, AWS Lambda, Docker, Terraform, Ansible, CI/CD, AWS S3, GitHub Actions
Testing	Vitest, Playwright, Cypress, Selenium

Education

MA International Marketing, University of Portsmouth Sep 2022 – Nov 2023

BA Social Work, Shahjalal University of Science and Technology Sep 2013 – Jan 2018